

Listing of Claims:

Amendments to the Claims

This listing of claims will replace all prior versions and listings of claims in the application:

1. (currently amended) An electrical stimulation device comprising:
a sensor for detecting a movement event of a body part,
an electrode for making electrical contact with an area of the body part,
and
a controller coupled to the sensor and electrode for receiving a sensor signal indicating the movement event, and for outputting to the electrode an output a stimulation signal comprising a rise signal portion, a stimulation signal portion, an extension portion and a fall signal portion, and programmed to record a duration of use and a number of movement events during the duration of use.
2. (currently amended) An electrical stimulation device for controlling the movement of a body part foot of a patient comprising:
a sensor for detecting a walking movement event of a body part patient,
an electrode ~~for making electrical contact with an area of the body part~~
and for stimulating a muscle of the body part located to stimulate muscles which contract to lift said foot of the patient during walking,
a housing to be worn by a user of the device, a receiver on the housing for receiving wireless signals from a remote unit, and
a controller provided in the housing and coupled to the receiver for receiving stimulation data from the remote unit and storing the stimulation data in a stimulation file, and coupled to the sensor for receiving a sensor signal indicating the walking movement event, and for generating a control signal using the stimulation file in response to the walking movement event, and for outputting the control signal to the electrode to lift the foot during walking, and programmed

to record in a log file a number of steps and duration of walking movements in a time period comprising one of an hour, a day or between a period of dates, and wherein the control signal comprises a rise portion, a stimulation portion, an extension portion and a fall portion for each walking movement.

3. (cancelled)

4. (currently amended) The device of claim 2 wherein the stimulation data includes a stimulation intensity level, a rise time, a stimulation time, an extension time and a fall time.

5. (original) The device of claim 4 wherein the stimulation data also includes a pulse form, a triggering period, a triggering method and triggering criteria.

6. (currently amended) The device of claim ~~[[2]]~~ 4 further including a computer removably coupled to the controller for downloading the stimulation file and log file, and for updating the stimulation file, and programmed to store data from the stimulation and log files in a database, and for outputting for display the stimulation data and ~~the duration of use and the number of movement events~~ number of steps and duration of the walking movements in the time period.

7. (original) The device of claim 6 wherein the computer is a Personal Digital Assistant.

8. (original) The device of claim 6 wherein the database also includes information about the user of the device, and the computer is programmed for accessing the database by a Windows™ graphical user interface.

9. (original) The device of claim 2 wherein the remote unit is a handheld remote control unit.

10. (original) The device of claim 2 wherein the body part is a foot and the sensor is a heel switch.